

## Tech Loop Performance Requirements Proposal

New Req No	Requirement Category	Requirement Text	Notes
T0001	Tech Loop Record Tech Loop Activity	ACMS shall provide the capability to record tech loop activity including technical reviewers and electronic authorizations, responsible activity, milestones, action items, and related dates.	TACOM ARDEC - CHANGE: responsible activity to responsible activities, allowing for multiple parallel processing.
T0002	Tech Loop Establish TL Identifiers	ACMS shall provide the capability to assign, record, and display metadata and unique identifiers for each action routed through the tech loop review (e.g. PRON, top part number, type of procurement, weapon system, first article requirements, serialization requirements, comments, procurement source information, documentation availability/status as it relates to procurement actions, and the AMC/AMSC code).	TACOM ARDEC - ADD: Any required attribute from the Procurement Work Directive (PWD).
T0003	Tech Loop Record Procurement History Data	ACMS shall provide the capability to record, retrieve and display the current and all previous tech loop actions.	
T0004	Tech Loop Establish Relationships	ACMS shall provide the capability to establish relationships and identify metadata about those relationships between tech loop actions and configuration management data.	
T0005	Tech Loop Generate Reports	ACMS shall provide the reports essential for performing tech loop reviews including the capability for procurement specific suppressions/omissions.	
T0007	Tech Loop Compare Baselines	ACMS shall provide the capability to compare baselines established as part of a tech loop review and identify differences (see C0022 and C0023).	
T0008	Tech Loop Support DFARS Appendix E Screening	ACMS shall provide an automated DFARS Appendix E screening questionnaire to be used during the tech loop review.	
T0009	Tech Loop Support Hazmat Screening	ACMS shall provide the capability to assign, record, and display metadata and unique identifiers in support of the hazardous material screening during tech loop review (e.g. electronic bulletin board, status forms, internal messaging, alternate solutions).	
T0010	Tech Loop Establish Hazmat Relationships	ACMS shall provide the capability to establish relationships between hazardous material data and configuration management data.	

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New IOC 1	Tech Loop Establish FAR Requirements	ACMS will provide the capability for the functional user to enter appropriate FAR clauses and fill-ins and to view and edit previous FAR clause requirements for previous procurements of the same item/PN and re-use them for the current procurement.	
New IOC 2	Tech Loop Develop Scopes of Work (SOW)	ACMS will provide the functional user with the ability to develop a SOW for the current procurement and to view and edit SOWs for Previous procurements of the same item/PN and re-use them for the current procurement.	
New IOC 3	Tech Loop Insert CDRL Requirements	ACMS will provide the capability for the functional user to input Contract Data Requirements, associated Lists (CDRLs) and other forms and the ability to view and edit CDR(L)s for previous procurements of the same item/PN and re-use them for the current procurement.	
New IOC 4	Tech Loop Work Flow Manager	ACMS will provide for a work flow management function which will allow the document flow to be pre-set to electronically flow the request for tech loop data through the tech loop process to procurement's Standard Procurement System (SPS).	
New ARDEC 1	Tech Loop	ACMS shall provide the capability to identify the specifications and standards that require waivers.	
New ARDEC 2	Tech Loop	ACMS shall provide the ability to update the Procurement Aging and Staging System (PASS) at pre-determined processing points.	
New ARDEC 3	Tech Loop	ACMS shall have the ability to directly accept procurement requests from CCSS.	
New ARDEC 4	Tech Loop	ACMS shall have the ability to "piggyback" procurement requests that have the same part number and GFE/GFM suppressions.	
New ARDEC 5	Tech Loop	ACMS shall contain a complete audit of all transactions in the Technical Loop	
New ARDEC 6	Tech Loop	ACMS shall have the ability to contain any and all forms required for the technical loop and once data is entered on a form, it should be proliferated to all forms requiring it for the same action	

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New ARDEC 7	Tech Loop	ACMS shall provide intelligence to the provided forms by parsing all attributes from the forms to a database.	
New ARDEC 8	Tech Loop	ACMS shall interface with the individual commands' JEDMICS, Viewers, TDCMS/PDM, and ancillary data and forms required by the various process participants.	
New ARDEC 9	Tech Loop	ACMS shall provide the capability to parse GFE/GFM requirements from the Procurement Work directive.	
New ARDEC 10	Tech Loop	ACMS shall provide required attributes from the Procurement Work Directive (PWD)	
New CM	Configuration Identification Support Obsolescence Review	ACMS shall provide the capability to assign, record and display metadata about obsolete parts and their replacements and establish a relationship between the obsolete parts, their replacements and configuration management data.	

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### ***Comments received from MSCs***

#### CECOM

We reviewed the Tech Loop Performance Requirements Proposal and found it acceptable. We have no additional comments or changes.

Jose Troche

#### TACOM ARDEC

1. References:

- a. Technical Loop Performance Requirements Proposal, 26 Jan 98
  - b. Memorandum, 23 May 97, AMCRDA-TE, Automation of configuration Management Engineering change Proposal Processes and the Technical Loop
  - c. Technical Loop meeting, AMC Headquarters, Analysis of Tech Loop Input for ACMS, May 1997.
2. Reference a. requires that the ACMS the Technical Loop process be included in the performance specification under ACMS. However, it was our understanding from General Beauchamp's comments during reference c. that we not "reinvent the wheel" and that an analysis be completed of the several Technical Loop applications that already exist in some AMC MSCs to keep costs to a minimum and avoid duplication. To our knowledge, this has not happened.
3. We have made a cursory review of the requirements and have staffed them to the appropriate personnel. We are submitting comments in order to meet your suspense, however, we propose that this dialogue be on going. It must be noted that a full performance spec for the Tech Loop process is extremely lengthy and complicated. For example, TACOM/ARDEC has spent years to develop and perfect an automated Technical Loop System (Compute Aided Requirements System (CARS)). It is not an effort for a short suspense action. We can discuss this further and pass along more information at the VTC on Friday, 6 Feb.

Sandra Medor

#### CBDCOM

I did review the tech loop requirements, but did not have any details to add. I hope you are having the communities that actually put together the tech loop/PPI data review it. The hardest part of implementing any automation system is migrating the legacy data. I think a requirement should be added to address migrating; batch import of legacy data should allow, formatted ASCII file, delimited ASCII files and direct relational data base table transfer, as a minimum.

Mike Cantrell

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STRICOM

TECH LOOP IS ACCEPTABLE.

CHARLIE GOODWIN